ASHLEY RIVER BASIN 461

021720816 DORCHESTER CREEK NEAR COOKE CROSSROADS, SC

LOCATION.--Lat 32°57'08'', long 80°10'13'', Dorchester County, Hydrologic Unit 03050202, on downstream side of bridge on State Hwy 642, 2.4 mi south of Stallsville, and 0.4 mi upstream of confluence with Ashley River.

DRAINAGE AREA. -- Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD. -- August 2001 to September 2003 (discontinued).

GAGE.--Data collection platform and acoustic velocity meter. Elevation of gage is 7 ft above NGVD of 1929 (from topographic map).

REMARKS.--Records fair. This site is strongly affected by astronomical tides. The astronomical tides occur at primary harmonic periods of 12.42 hours for semi-diurnal tides and 24.84 hours for diurnal tides. Computed 24-hour daily mean discharge for this site may be affected by aliasing due to tides and, thus, may contain spurious fluctuations or oscillations that are not indicative of net downstream discharge.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,460 ft^3/s , Mar. 20, 2003, maximum gage height, 38.45 ft, Mar. 20, 2003; minimum discharge, -117 ft^3/s , Aug. 7, 2002, minimum gage height, 29.54 ft, Aug. 12, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,460 ft³/s, Mar. 20, maximum gage height, 38.45 ft, Mar. 20; minimum discharge, -97 ft³/s, Apr. 16, minimum gage height, 29.62 ft, Oct. 5, May 14, Sep. 30.

Discharge, cubic feet per second WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	87	-82	114	-70	77	-47						
2	88	-82	111	-64	90	-46						
3	96	-87	111	-79	79	-55						
4	110	-89	117	-64	98	-56						
5	106	-92	123	-81	94	-55						
6	122	-77	279	28	92	-39						
7	116	-90	98	-30	88	-42						
8	219	-15	97	-55	77	-40						
9	123	-65	89	-42	74	-39						
10	597	-71	232	-18	122	-28						
11	659	98	111	-31	95	-28						
12	154	-16	104	0.00	60	-16						
13	156	-33	219	43	229	-43						
14	110	-43	95	-32	91	10						
15	123	-60	116	-44	62	-13						
16	131	-50	616	-40	66	-28						
17	108	-48	222	87	76	-39						
18	109	-51	105	0.00	85	-48						
19	93	-56	95	-41	105	-44						
20	88	-69	92	-42	131	-37					1460	
21	93	-70	98	-51	67	-36					529	
22	97	-78	88	-50	78	-34						
23	103	-61	82	-40	70	-32						
24	106	-58	77	-30	692	-48						
25	107	-74	65	-32							118	-18
26	105	-59	75	-52							93	-32
27			74	-41							118	-38
28			81	-47							101	-53
29	92	-54	76	-44							152	-29
30	92	-49	56	-40								-29
31	104	-67		-40							89	-15
MONTH			616	-81								

462 ASHLEY RIVER BASIN

021720816 DORCHESTER CREEK NEAR COOKE CROSSROADS, SC--Continued

Discharge, cubic feet per second WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	
	APRIL		MAY		JU	JUNE		JULY		AUGUST		SEPTEMBER	
1	80	-44	122	-74	87	-85	97	-80	180	-58			
2	68	-36	108	-81	105	-69	233	-53	108	-45			
3	60	-46	111	-71	302	-60	130	-83	104	-51	245	-76	
4	60	-62	98	-75	222	-3.6	120	-66	119	-44	113	-81	
5	72	-55	103	-83	138	-40	86	-73	147	-46	566	13	
6	78	-80	630	-47	108	-68	102	-72	398	-37	544	120	
7			385	-31	458	-60	87	-86	267	-33	254	140	
8	388	60	128	-22	407	44	118	-71	140	-38			
9	509	168	105	-42	128	-43	110	-95	128	-78	315	81	
10	286	149	99	-77	135	-92	233	-87	124	-76	202	12	
11	177	74	102	-71	124	-90	119	-95	142	-88	158	-44	
12	149	23	87	-72	125	-85	118	-83	142	-81	133	-44	
13	140	-28	114	-79	252	-44	113	-83	143	-69	129	-68	
14	139	-53	118	-75	168	-86	152	-79	146	-84	186	-62	
15	124	-56	145	-80	125	-91	141	-86	107	-81	157	-23	
16	140	-97	221	-60	291	-83	114	-89	565	-54	116	-37	
17	139	-96	197	-42	252	-3.6	110	-79	315	37	106	-52	
18	138	-89	369	-59	162	-20	89	-72	112	-15	92	-58	
19	133	-85	611	32	389	-25	317	-19	117	-34	75	-49	
20	128	-86	171	-21	137	-48	337	-48	97	-49	81	-72	
21	118	-68	149	-34	241	-29	320	24	169	-79	95	-83	
22	114	-61	123	-42	119	-62	470	-22	127	-31	110	-86	
23	110	-64			96	-74			105	-68	129	-83	
24	100	-58	169	48	73	-85	543	161	171	-23	106	-82	
25	641	-62	146	11	82	-95	281	102			131	-85	
26	154	34	136	-26	72	-85	580	138			134	-91	
27	128	-43	113	-29	92	-86	232	72			130	-77	
28	130	-51	130	-54	123	-88	721	84			123	-75	
29	105	-86	114	-75	123	-87	193	-22			125	-75	
30	122	-80	107	-80	99	-87	144	-51			125	-73	
31			112	-76			113	-48					
MONTH					458	-95							